Abstract of the Disclosure

A vacuum heat insulator small in limitation in shape of applicable objects, and wide in application is presented. A vacuum heat insulator is formed of a plurality of core members of thickness of 5 mm or less made of glass fiber shaped nearly in a regular octagonal shape, being coated with a gas barrier enveloping member and evacuated in side. The core members are shaped in octagon, and disposed in lattice layout at specified intervals so as to form folding lines in four directions of vertical, lateral and oblique 45-degree directions, parallel to each side. In order that the plurality of core members may be located in independent spaces individually, the entire surface of the enveloping member around the core members is formed as heat seal parts, and it is foldable in four directions and is flexible. By cutting the heat seal parts along the core members so as to leave about 3 mm in the periphery, a vacuum heat insulator of any desired shape and wide effective heat insulating area can be obtained. The core members may be formed in desired shape, and complicated shapes and through-holes can be formed, so that vacuum heat insulators applicable in a very wide scope of purposes can be presented.